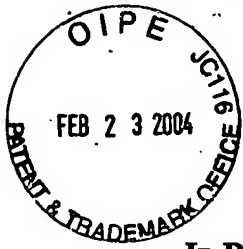


DOCKET NO.: ISIS-5202

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Customer No.: 32,650

Muthiah Manoharan, Kallanthottathil G. Rajeev and
Thazha P. Prakash

For: OLIGOMERIC COMPOUNDS HAVING
MODIFIED BASES FOR BINDING TO ADENINE
AND GUANINE AND THEIR USE IN GENE
MODULATION

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

☒ Utility Patent☐ Design Patent

is sought on the invention, whose title appears above, the specification of which:

☐ is attached hereto.☒ was filed on August 6, 2003 as Serial No. 10/635,380☐ said application having been amended on ____.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

DOCKET NO.: ISIS-5202

PATENT

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Serial Number	Date Filed

I hereby appoint all the practitioners associated with Customer Number 32,650 to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Each practitioner associated with Customer Number 32,650 is an attorney registered before the United States Patent and Trademark Office.



32650

PATENT TRADEMARK OFFICE

DOCKET NO.: ISIS-5202**PATENT**

Address all telephone calls and correspondence to:

Jane E. Inglese
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone No.: (215) 568-3100
Facsimile No.: (215) 568-3439


I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Muthiah Manoharan	
Mailing Address: 25 Circle Drive Weston, Massachusetts 02493	Signature Date of Signature: _____
City/State of Actual Residence: Weston, Massachusetts 02493	Citizenship: United States of America

Name: Kallanthottathil G. Rajeev	
Mailing Address: 30 Cambridgepark Drive, Apt. 4101 Cambridge, Massachusetts 02140	Signature Date of Signature: _____
City/State of Actual Residence: Cambridge, Massachusetts 02140	Citizenship: India

DOCKET NO.: ISIS-5202

PATENT

Name: Thazha P. Prakash	 Signature Date of Signature: <u>12-31-2003</u> Citizenship: India
Mailing Address: 6928 Pear Tree Drive Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	

DOCKET NO.: ISIS-5202

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Customer No.: 32,650

Muthiah Manoharan, Kallanthottathil G. Rajeev and
Thazha P. Prakash

For: OLIGOMERIC COMPOUNDS HAVING
MODIFIED BASES FOR BINDING TO ADENINE
AND GUANINE AND THEIR USE IN GENE
MODULATION

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

☒ Utility Patent☐ Design Patent

is sought on the invention, whose title appears above, the specification of which:

☐ is attached hereto.☒ was filed on August 6, 2003 as Serial No. 10/635,380☐ said application having been amended on ____.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

DOCKET NO.: ISIS-5202

PATENT

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned

I hereby claim the benefit under 35 U.S.C. § 119(c) of any United States provisional application(s) listed below:

Serial Number	Date Filed

I hereby appoint all the practitioners associated with Customer Number 32,650 to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Each practitioner associated with Customer Number 32,650 is an attorney registered before the United States Patent and Trademark Office.



32650

PATENT TRADEMARK OFFICE

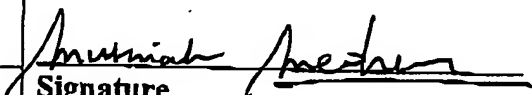
DOCKET NO.: ISIS-5202


PATENT

Address all telephone calls and correspondence to:

Jane E. Inglese
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone No.: (215) 568-3100
Facsimile No.: (215) 568-3439

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Muthiah Manoharan	 Signature Date of Signature: 2/18/2004 Citizenship: United States of America
Mailing Address: 25 Circle Drive Weston, Massachusetts 02493	
City/State of Actual Residence: Weston, Massachusetts 02493	

Name: Kallanthottathil G. Rajeev	 Signature Date of Signature: 2/18/2004 Citizenship: India
Mailing Address: 30 Cambridgepark Drive, Apt. 4101 Cambridge, Massachusetts 02140	
City/State of Actual Residence: Cambridge, Massachusetts 02140	

DOCKET NO.: ISIS-5202

PATENT

Name: Thazha P. Prakash	Signature _____ Date of Signature: _____ Citizenship: India
Mailing Address: 6928 Pear Tree Drive Carlsbad, California 92009	
City/State of Actual Residence: Carlsbad, California 92009	